

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
May 2000

Gray Davis
Governor
State of California

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The Resources Agency

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State of California
Resources Agency

**Department of Water Resources
Division of Operations and Maintenance**

**State Water Project
Operations Data**
for the Month of May 2000

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of May 2000.

May precipitation was near average except in the southeastern corner of California. As a result, water conditions remained near average. Snowmelt during May was greater than normal, continuing the early melt which started in March. The runoff outlook was near average overall. This, combined with favorable reservoir storage, presaged an adequate water supply for most Californians, apart from some export contractors south of the Delta.

Seasonal precipitation since October 1 was nearly average overall with above average amounts in the northern parts of the State and somewhat less in the south. 1999 seasonal precipitation stood at 100 percent of average at the same time.

Forecasts of May through July runoff were about 100 percent of average statewide and ranged from 125 percent in the North Coast region to 90 percent in the Tulare Lake region and 85 percent in the North Lahontan region. Water year forecasts were also about 105 percent of average overall with the same north to south distribution in the southern Sierra. Runoff to date was about average. May runoff was approximately 100 percent of normal for the month. Estimated runoff of the 8 major rivers of the Sacramento and San Joaquin River regions for May was 3.62 MAF. However, the actual inflow into Lake Oroville tracked closely with the forecasted runoff for the Feather River at the 90% level.

Total storage in the major SWP reservoirs was about 4.7 MAF on May 31, 2000, compared with 5.0 MAF at this time in 1999. The average storage in the major SWP reservoirs at the end of May is about 4.4 MAF. The May 31 storage at Lake Oroville was about 3.1 MAF as compared to about 3.45 MAF last year. The State's share of San Luis Reservoir storage was about 762,064 AF, as compared with about 863 TAF at this time last year. The combined storage of our southern reservoirs was about 652,874 AF on May 31 as compared with 659,000 AF at this same time last year.

SWP water deliveries for 2000 through May were about 1.19 MAF. This is a combination of project, transfer, and exchange waters. This is about 468,400 AF more than that delivered during the same period in 1999 and was the highest amount ever delivered by the SWP for this time frame.

For May, the projects were required to meet the X₂ standard at Roe Island for 9 days. This was a direct result of meeting the April Roe Island X₂ requirement during the second half of the month and a late-April storm that forced the Delta into excess conditions. The result of meeting the May X₂ requirement was about 100 TAF of additional water being released from Oroville.

During the VAMP period, which extended from April 17 through May 17, SWP pumping remained at a low level of less than 1,500 cfs. Following the VAMP, pumping was scheduled to be increased to about 5,500 cfs. However, this planned pumping rate was adjusted down in an effort to avoid high salvage of delta smelt. Even though exports were less than 3,000 cfs, salvage of delta smelt exceeded 9,769 fish. This is the level at which DWR and USBR must reinitiate consultation with the Fish and Wildlife Service. By the end May, total salvage of delta smelt exceeded 49,000 fish.

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Apr 30	5002.90	23,409									
1	5002.92	23,428	19	20	0	0	119				
2	5002.93	23,437	9	20	0	0	123				
3	5002.92	23,428	-9	14	0	0	121				
4	5002.93	23,428	0	12	0	0	121				
5	5002.94	23,447	19	0	0	0	123				
6	5002.88	23,390	-57	0	0	0	119				
7	5002.86	23,371	-19	0	0	0	110				
8	5002.94	23,447	76	0	0	0	117				
9	5002.88	23,390	-57	0	0	0	119				
10	5002.86	23,371	-19	0	0	0	110				
11	5002.84	23,354	-17	0	0	0	106				
12	5002.79	23,305	-49	0	0	0	98				
13	5002.75	23,267	-38	0	0	0	91				
14	5002.73	23,248	-19	0	0	0	85				
15	5002.72	23,238	-10	0	0	0	81				
16	5002.72	23,238	0	0	0	0	81				
17	5002.71	23,229	-9	0	0	0	80				
18	5002.68	23,201	-28	11	0	0	77				
19	5002.65	23,172	-29	20	0	0	73				
20	5002.63	23,153	-19	20	0	0	67				
21	5002.60	23,125	-28	20	0	0	64				
22	5002.57	23,097	-28	20	0	0	59				
23	5002.55	23,078	-19	20	0	0	54				
24	5002.53	23,059	-19	20	0	0	51				
25	5002.51	23,041	-18	20	0	0	48				
26	5002.49	23,022	-19	20	0	0	47				
27	5002.45	22,984	-38	20	0	0	41				
28	5002.41	22,947	-37	20	0	0	36				
29	5002.37	22,909	-38	20	0	0	30				
30	5002.34	22,881	-28	20	0	0	27				
31	5002.31	22,853	-28	20	0	0	23				
Total cfs-days			---	337	0	0	2,501	152	2,990	2,709	
Total ac-ft			-556	668	0	0	4,961	301	5,930	5,374	

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Apr 30	5587.46	54,627								
1	5587.49	54,674	47	0	22	0	0			
2	5587.46	54,627	-47	0	29	0	0			
3	5587.50	54,690	63	0	32	0	0			
4	5587.51	54,706	16	0	32	0	0			
5	5587.47	54,643	-63	0	50	0	0			
6	5587.47	54,643	0	0	59	0	0			
7	5587.45	54,612	-31	0	59	0	0			
8	5587.33	54,424	-188	0	80	0	0			
9	5587.21	54,237	-187	0	98	0	0			
10	5587.24	54,284	47	0	96	0	0			
11	5587.08	54,035	-249	0	87	0	0			
12	5587.04	53,973	-62	0	70	0	0			
13	5586.99	53,895	-78	0	62	0	0			
14	5586.94	53,818	-77	0	62	0	0			
15	5586.90	53,756	-62	0	59	0	0			
16	5586.95	53,833	77	0	50	0	0			
17	5586.97	53,864	31	0	20	0	0			
18	5587.19	54,206	342	0	13	0	0			
19	5587.09	54,050	-156	0	13	0	0			
20	5587.01	53,926	-124	0	13	0	0			
21	5587.12	54,097	171	0	13	0	0			
22	5587.02	53,942	-155	0	26	0	0			
23	5587.08	54,035	93	0	33	0	0			
24	5587.09	54,050	15	0	38	0	0			
25	5586.98	53,880	-170	0	38	0	0			
26	5586.97	53,864	-16	0	37	0	0			
27	5587.03	53,957	93	0	37	0	0			
28	5586.88	53,725	-232	0	37	0	0			
29	5586.92	53,787	62	0	37	0	0			
30	5586.79	53,585	-202	0	37	0	0			
31	5586.75	53,524	-61	0	37	0	0			
Total cfs-days				---	0	1,376	0	0	259	
Total ac-ft				-1,103	0	2,729	0	0	513	
									1,635	
									1,079	

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Apr 30	5771.68	71,573								
1	5771.62	71,352	-221	15	0	0	0			
2	5771.62	71,352	0	15	0	0	0			
3	5771.62	71,352	0	15	0	0	0			
4	5771.62	71,352	0	15	0	0	0			
5	5771.61	71,315	-37	15	0	0	0			
6	5771.59	71,241	-74	15	0	0	0			
7	5771.59	71,241	0	15	0	0	0			
8	5771.62	71,352	111	15	0	0	0			
9	5771.63	71,389	37	15	0	0	0			
10	5771.62	71,352	-37	15	0	0	0			
11	5771.63	71,389	37	15	0	0	0			
12	5771.61	71,315	-74	15	0	0	0			
13	5771.61	71,315	0	15	0	0	0			
14	5771.63	71,389	74	15	0	0	0			
15	5771.62	71,352	-37	15	0	0	0			
16	5771.62	71,352	0	15	0	0	0			
17	5771.66	71,499	147	15	0	0	0			
18	5771.65	71,462	-37	15	0	0	0			
19	5771.67	71,536	74	15	0	0	0			
20	5771.67	71,536	0	15	0	0	0			
21	5771.67	71,536	0	15	0	0	0			
22	5771.67	71,536	0	15	0	0	0			
23	5771.67	71,536	0	15	0	0	0			
24	5771.67	71,536	0	15	0	0	0			
25	5771.65	71,462	-74	15	0	0	0			
26	5771.63	71,389	-73	13	0	2	0			
27	5771.62	71,352	-37	13	0	2	0			
28	5771.59	71,241	-111	13	0	2	0			
29	5771.55	71,094	-147	13	0	2	0			
30	5771.50	70,911	-183	13	0	2	0			
31	5771.49	70,874	-37	13	0	2	0			
Total cfs-days			--	453	0	12	0	612	1,077	
Total ac-ft			-699	899	0	24	0	1,214	2,136	
									1,437	

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Apr 30	871.52	3,107,588								
1	871.17	3,102,549	-5,039	17,865	14	222	0	18,101	0	13,062
2	870.92	3,098,953	-3,596	18,465	18	213	0	18,696	0	15,100
3	870.15	3,087,896	-11,057	24,895	22	245	0	25,162	0	14,105
4	869.58	3,079,730	-8,166	25,003	24	213	0	25,240	0	17,074
5	868.87	3,069,578	-10,152	23,408	24	173	0	23,605	0	13,453
6	868.74	3,067,722	-1,856	15,709	24	189	0	15,922	0	14,066
7	868.95	3,070,721	2,999	11,117	24	86	0	11,227	0	14,226
8	869.25	3,075,009	4,288	13,576	19	8	0	13,603	0	17,891
9	869.01	3,071,578	-3,431	17,381	15	110	0	17,506	0	14,075
10	868.61	3,065,867	-5,711	20,003	15	181	0	20,199	0	14,488
11	868.11	3,058,739	-7,128	19,939	15	156	0	20,110	0	12,982
12	867.92	3,056,033	-2,706	15,808	15	234	0	16,057	0	13,351
13	868.71	3,067,294	11,261	1,125	16	188	0	1,329	0	12,590
14	869.37	3,076,725	9,431	1,585	16	110	0	1,711	0	11,142
15	869.24	3,074,866	-1,859	14,325	16	87	0	14,428	0	12,569
16	869.24	3,074,866	0	13,687	16	24	0	13,727	0	13,727
17	869.20	3,074,294	-572	13,220	16	39	0	13,275	0	12,703
18	869.30	3,075,724	1,430	10,345	20	196	0	10,561	0	11,991
19	869.64	3,080,589	4,865	9,462	24	260	0	9,746	0	14,611
20	870.40	3,091,483	10,894	2,506	24	276	0	2,806	0	13,700
21	871.12	3,101,829	10,346	3,141	24	339	0	3,504	0	13,850
22	871.28	3,104,132	2,303	10,638	28	403	0	11,069	0	13,372
23	871.56	3,108,164	4,032	10,965	30	349	0	11,344	0	15,376
24	871.63	3,109,172	1,008	11,323	34	357	0	11,714	0	12,722
25	871.65	3,109,461	289	12,596	36	262	0	12,894	0	13,183
26	871.68	3,109,893	432	12,663	36	278	0	12,977	0	13,409
27	872.16	3,116,817	6,924	6,424	36	238	0	6,698	0	13,622
28	872.81	3,126,210	9,393	1,998	36	278	0	2,312	0	11,705
29	873.15	3,131,132	4,922	5,735	36	286	0	6,057	0	10,979
30	873.08	3,130,118	-1,014	9,324	36	270	0	9,630	0	8,616
31	872.91	3,127,657	-2,461	11,087	36	286	0	11,409	0	8,948
Total			20,069	385,318	745	6,556	0	392,619	0	412,688

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

May 2000

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Apr 30	23,441										
1	23,294	-147	17,865	498	0	17,504	0	8	1,235	0	237
2	23,715	421	18,465	506	0	17,383	0	8	1,245	0	86
3	23,620	-95	24,895	501	0	25,248	0	8	1,245	0	1,010
4	22,501	-1,119	25,003	504	0	25,296	0	8	1,247	0	-75
5	23,361	860	23,408	506	0	22,110	0	8	1,253	0	317
6	23,140	-221	15,709	510	0	15,560	0	8	1,260	0	388
7	23,586	446	11,117	504	0	10,146	0	8	1,246	0	225
8	23,429	-157	13,576	504	0	13,203	0	8	1,244	0	218
9	23,278	-151	17,381	496	0	16,971	0	8	1,248	0	199
10	23,947	669	20,003	482	0	18,881	0	8	1,248	0	321
11	22,984	-963	19,939	500	0	20,587	0	7	1,246	0	438
12	23,321	337	15,808	504	0	15,018	0	7	1,238	0	288
13	23,590	269	1,125	506	0	0	0	7	1,224	0	-131
14	24,031	441	1,585	504	0	552	0	7	1,228	0	139
15	22,960	-1,071	14,325	500	0	14,817	0	7	1,236	0	164
16	23,646	686	13,687	504	0	12,552	0	7	1,256	0	310
17	23,346	-300	13,220	504	0	13,001	0	7	1,254	0	238
18	23,549	203	10,345	502	0	9,445	0	7	1,244	0	52
19	23,448	-101	9,462	510	0	8,987	0	7	1,226	0	147
20	23,568	120	2,506	508	0	1,642	0	7	1,236	0	-9
21	23,339	-229	3,141	502	0	2,679	0	7	1,224	0	38
22	22,879	-460	10,638	510	0	10,352	0	7	1,290	0	41
23	22,387	-492	10,965	500	0	10,827	0	7	1,315	0	192
24	22,888	501	11,323	502	0	10,120	0	7	1,309	0	112
25	22,617	-271	12,596	543	0	12,264	0	7	1,323	0	184
26	23,097	480	12,663	466	0	11,372	0	7	1,317	0	47
27	24,148	1,051	6,424	510	0	4,708	0	7	1,313	0	145
28	23,721	-427	1,998	504	0	1,611	0	7	1,329	0	18
29	23,221	-500	5,735	504	0	5,489	0	7	1,321	0	78
30	23,346	125	9,324	502	0	8,484	0	7	1,313	0	103
31	23,475	129	11,087	504	0	10,278	0	7	1,325	0	148
Total		34	385,318	15,600	0	367,087	0	227	39,238	0	5,668

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/	
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback			
Apr 30	126.05	20,306											
1	126.14	20,547	241	17,504	2,460	44	603	901	13,250	0	-5	14,485	
2	125.68	19,325	-1,222	17,383	2,797	56	752	1,059	13,765	0	-176	15,010	
3	127.86	25,413	6,088	25,248	3,154	60	803	1,263	13,785	0	-95	15,030	
4	129.62	30,900	5,487	25,296	3,332	54	823	1,454	13,765	0	-381	15,012	
5	130.28	33,088	2,188	22,110	3,352	52	859	1,650	13,765	0	-244	15,018	
6	128.98	28,846	-4,242	15,560	3,352	44	871	1,759	13,765	0	-11	15,025	
7	126.23	20,789	-8,057	10,146	3,253	36	754	1,755	12,258	0	-147	13,504	
8	125.41	18,623	-2,166	13,203	3,094	26	553	1,569	10,275	0	148	11,519	
9	126.86	22,523	3,900	16,971	2,856	10	446	1,369	8,271	0	-119	9,519	
10	129.41	30,219	7,696	18,881	2,757	10	488	1,424	6,268	0	-238	7,516	
11	132.50	40,961	10,742	20,587	2,876	10	569	1,700	4,760	0	70	6,006	
12	133.85	46,129	5,168	15,018	2,975	10	789	2,103	3,769	0	-204	5,007	
13	131.33	36,714	-9,415	0	3,074	12	899	2,341	3,749	0	660	4,973	
14	128.35	26,889	-9,825	552	3,154	13	899	2,360	3,749	0	-202	4,977	
15	129.92	31,886	4,997	14,817	3,094	14	875	2,281	3,749	0	193	4,985	
16	130.89	35,173	3,287	12,552	2,916	13	724	2,182	3,769	0	339	5,025	
17	132.10	39,485	4,312	13,001	2,717	10	565	1,966	3,352	0	-79	4,606	
18	132.54	41,110	1,625	9,445	2,658	3	472	1,793	2,955	0	61	4,199	
19	132.86	42,311	1,201	8,987	2,698	17	444	1,755	2,757	0	-115	3,983	
20	131.25	36,432	-5,879	1,642	2,797	26	490	1,922	2,737	0	451	3,973	
21	129.72	31,227	-5,205	2,679	2,876	26	565	1,924	2,737	0	244	3,961	
22	130.35	33,325	2,098	10,352	2,936	26	615	1,974	2,757	0	54	4,047	
23	131.06	35,765	2,440	10,827	3,035	20	718	2,063	2,757	0	206	4,072	
24	131.62	37,747	1,982	10,120	2,993	13	668	1,976	2,757	0	269	4,066	
25	132.74	41,859	4,112	12,264	2,955	12	593	1,738	2,757	0	-97	4,080	
26	133.66	45,384	3,525	11,372	2,936	8	617	1,468	2,757	0	-61	4,074	
27	133.01	42,880	-2,504	4,708	2,916	8	641	1,355	2,757	0	465	4,070	
28	131.43	37,069	-5,811	1,611	2,836	12	613	1,333	2,757	0	129	4,086	
29	130.97	35,451	-1,618	5,489	2,777	16	603	1,307	2,757	0	353	4,078	
30	131.39	36,927	1,476	8,484	2,777	18	603	1,283	2,757	0	430	4,070	
31	132.10	39,485	2,558	10,278	2,797	18	586	1,283	2,757	0	-279	4,082	
Total				19,179	367,087	91,200	697	20,500	52,310	184,820	0	1,619	224,058

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

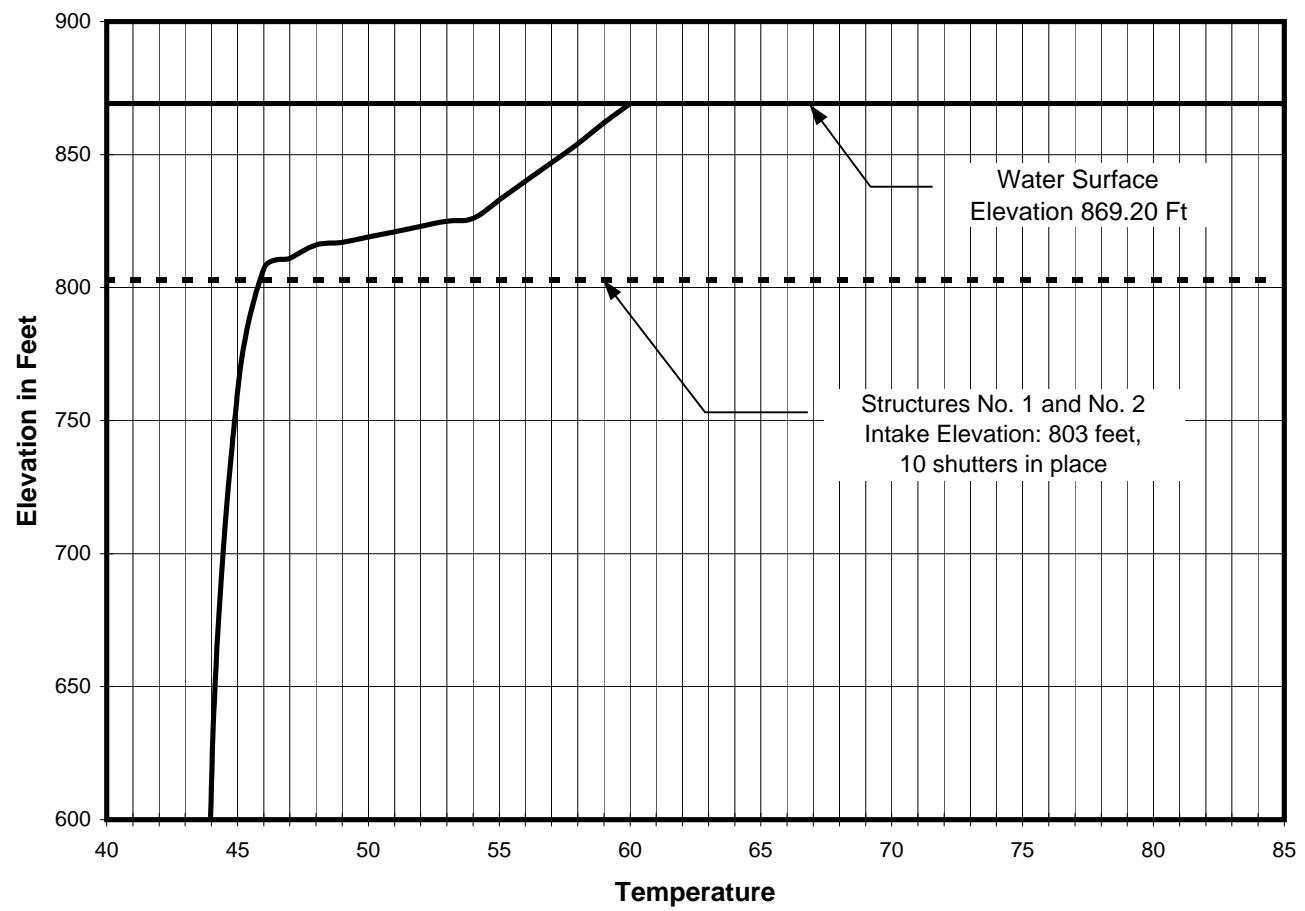
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

May 2000

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	57	52
2	57	53
3	55	53
4	55	53
5	55	53
6	55	53
7	54	52
8	55	53
9	56	53
10	56	52
11	55	54
12	56	54
13	56	54
14	56	54
15	56	53
16	56	54
17	57	53
18	59	54
19	60	54
20	62	54
21	64	54
22	65	54
23	70	54
24	68	54
25	67	54
26	65	54
27	64	54
28	64	55
29	66	55
30	68	55
31	67	55

**Lake Oroville Temperature Profile
on May 17, 2000**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending					Entitlement		Ex-change		
	No.	Structure	Mile			M & I	Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	2,437	327	327	730		
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis Turnout	327					
			10.54	Solano County Water Agency Fairfield / Vacaville	0					
	3A	Cordelia Forebay	21.23			730	1,150			
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,100					
3B	2		21.33	Solano County Water Agency Vallejo	730	34	186			
				Solano County Water Agency Benicia	1,150					
		Cordelia Surge Tank	23.33	Napa Pipeline						
		Creston Surge Tank Connection	25.65	Napa Pipeline						
			26.95	Napa County Flood Control & WCD American Canyon 2	0					
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	34					
			27.60	Napa County Flood Control & WCD American Canyon 1	186					

Table 9. Delta Field Division Plant Data

(in acre-feet)

May 2000

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		Gravity Flow Through Plant Into Aqueduct
			Total	SWP		Into Lake	Into Aqueduct	
1	46	45	2,535	2,535	503	57	0	0
2	53	46	2,536	2,536	479	25	0	0
3	74	45	2,378	2,378	333	0	0	67
4	78	64	1,589	1,589	346	0	0	91
5	77	63	2,497	2,497	411	0	0	59
6	70	60	1,150	1,150	441	0	0	0
7	72	58	1,574	1,574	401	0	0	0
8	50	40	2,420	2,420	419	0	0	0
9	51	45	2,285	2,285	424	0	0	0
10	52	43	2,361	2,361	440	0	0	0
11	49	42	2,810	2,810	423	0	0	0
12	64	55	2,823	2,823	437	0	0	0
13	74	63	2,492	2,492	427	0	0	0
14	53	45	2,658	2,658	406	0	0	0
15	51	43	2,607	2,607	412	0	0	0
16	47	50	2,641	2,641	336	0	0	0
17	50	43	2,836	2,836	286	0	0	0
18	48	40	4,019	4,019	328	0	0	0
19	58	49	2,906	2,906	349	0	0	0
20	75	58	3,894	3,894	366	0	0	0
21	76	62	4,879	4,879	413	0	0	0
22	111	93	5,888	5,888	469	0	0	0
23	141	123	6,101	6,101	489	0	0	0
24	137	118	6,666	6,666	458	0	0	0
25	121	106	578	578	483	0	0	0
26	94	81	545	545	476	0	0	0
27	110	95	2,174	2,174	440	0	0	0
28	109	106	1,434	1,434	453	0	0	0
29	106	86	5,360	5,360	454	0	0	0
30	119	116	6,056	6,056	483	0	0	0
31	121	117	7,004	7,004	513	0	0	0
Total	2,437	2,100	97,696	97,696	13,098	82	0	217

Table 10. Clifton Court Forebay

Daily Operation of Gates

May 2000

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	USBR	Misc.	Loan Water	Carryover Ent.		
	No.	Structure	Mile									
1	Banks Pumping Plant	3.32			97,696							
2A	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet		13,098		66					
	Check No. 1	5.95										
	Check No. 2	12.01										
	3	12.47	Musco Olive		66							
		Check No. 3	18.29									
	4	22.16	Tracy Golf & Country Club		0							
		Check No. 4	23.99									
	5	Check No. 5	29.73									
	6	Check No. 6	34.24									
	7	35.22	Turlock Fruit Company Inflow		0							
		Check No. 7	39.91									
2B	8	42.46	Oak Flat Water District-A		40	40	243	154	220			
			Oak Flat Water District-B		243							
			Oak Flat Water District-C		154							
		Check No. 8	45.97									
	9	46.18	Oak Flat Water District-D		220							
			Oak Flat Totals:		657	657	0	0	0	0		
	Check No. 9	51.30										
	10	Check No. 10	56.86									
	11	Check No. 11	61.40									
	12	66.14	Veteran's Cemetery		2		2					
		Check No. 12	66.71		79,072							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

Reach No.	Operating Pool		Turnout	Total Diversions	May 2000				
	Beginning and Ending				Entitlement	Deliveries			
	No.	Structure	Mile			General Wheeling	Local	Recreation	
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	13,098	3	910		
			3.17	Granite - Vasco Rd. (Temp.)	0				
			3.18	Oakland Scavenger Zone 7	3				
		Check No. 1	3.91						
	2	Check No. 2	5.21						
2	3		7.21	Zone 7 Altamont	0	910	191		
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0				
				Zone 7 Patterson Project Water	910				
	4	Check No. 4	10.68						
4	6	Check No. 5	12.29			191	125		
			13.55	Zone 7 Wente #1	191				
			14.16	Zone 7 Wente #2	125				
		Check No. 6	14.65						
			14.78	Zone 7 Arroyo Mocho	903				
		Check No. 7	16.38						
			16.57	Zone 7 Wente #3	47				
			16.69	Zone 7 Norman Nursery	17				
			16.70	Zone 7 Concannon Project Water	77				
5	8	Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	82	443	15		
				(Flow into South Bay Aqueduct)	217				
				Arroyo Valle #1 & #2 Inflow Released	153				
		Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Inflow Exchange	1				
				Lake Del Valle Recreation	15				
				Zone 7 Wente #5	64				
			19.20	So. Livermore Project	443				
				So. Livermore Inflow Exchanged	324				
				So. Livermore Stored Exchanged	735				
6			19.21	Zone 7 - Kalthrof Detjens	242				
7	La Costa Tunnel		ACWD		2,011	131			
		22.50	Vallecitos Project Water	0					
		25.97	City of San Francisco San Antonio	0					
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released Stored Exchange:				2,011 0 131	
	9	Santa Clara Pipeline	35.86	S.C.V.W.D. Meter				6,846	

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

May 2000

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Apr 30	702.95	39,879									
1	703.04	39,943	64	17	57	0	0	0	10	10	0.00
2	703.08	39,971	28	14	25	0	0	0	11	11	0.00
3	702.96	39,886	-85	-9	0	0	67	0	9	76	0.00
4	702.86	39,815	-71	29	0	0	91	0	9	100	0.00
5	702.80	39,773	-42	26	0	0	59	0	9	68	0.00
6	702.80	39,773	0	10	0	0	0	0	10	10	0.00
7	702.83	39,794	21	28	0	0	0	0	7	7	0.04
8	702.84	39,801	7	8	0	0	0	0	1	1	0.17
9	702.85	39,808	7	7	0	0	0	0	0	0	0.20
10	702.86	39,815	7	13	0	0	0	0	6	6	0.00
11	702.85	39,808	-7	-1	0	0	0	0	6	6	0.00
12	702.85	39,808	0	10	0	0	0	0	10	10	0.00
13	702.86	39,815	7	17	0	0	0	0	10	10	0.00
14	702.86	39,815	0	5	0	0	0	0	5	5	0.00
15	702.91	39,851	36	38	0	0	0	0	2	2	0.03
16	702.90	39,844	-7	0	0	0	0	0	7	7	0.15
17	702.91	39,851	7	11	0	0	0	1	3	4	0.00
18	702.92	39,858	7	17	0	0	0	1	9	10	0.00
19	702.92	39,858	0	13	0	0	0	1	12	13	0.00
20	702.92	39,858	0	13	0	0	0	1	12	13	0.00
21	702.91	39,851	-7	10	0	0	0	1	16	17	0.00
22	702.92	39,858	7	27	0	0	0	1	19	20	0.00
23	702.92	39,858	0	13	0	0	0	1	12	13	0.00
24	702.92	39,858	0	11	0	0	0	1	10	11	0.00
25	702.86	39,815	-43	-28	0	0	0	1	14	15	0.01
26	702.86	39,815	0	11	0	0	0	1	10	11	0.00
27	702.86	39,815	0	11	0	0	0	1	10	11	0.00
28	702.85	39,808	-7	6	0	0	0	1	12	13	0.00
29	702.83	39,794	-14	-1	0	0	0	1	12	13	0.00
30	702.82	39,789	-5	5	0	0	0	1	9	10	0.00
31	702.80	39,776	-13	-3	0	0	0	1	9	10	0.00
Total				-103	325	82	0	217	15	278	510
1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.											0.60
2/ To East Bay Regional Park District.											
NR=No Records											

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

May 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv- eries 2/	
Apr 30	219.95	43,023										
1	219.71	42,402	-621	0	0	5,137	651	841	0	5,264	11	15
2	219.65	42,248	-154	0	0	5,528	1,079	1,310	0	5,624	19	268
3	219.27	41,272	-976	0	0	6,807	809	1,725	0	6,441	17	75
4	219.55	41,990	718	0	0	6,189	1,408	1,857	0	5,520	29	171
5	220.82	45,289	3,299	0	0	10,952	559	1,922	0	7,810	20	-96
6	220.70	44,975	-314	0	0	8,747	362	1,931	0	7,406	24	94
7	220.91	45,525	550	0	0	8,467	346	1,924	0	6,599	17	4
8	221.66	47,493	1,968	0	0	6,069	1,090	1,784	0	4,480	19	116
9	221.92	48,176	683	0	0	6,482	933	1,811	0	5,262	17	19
10	221.66	47,493	-683	0	0	7,452	777	1,820	0	6,777	35	59
11	221.17	46,206	-1,287	0	0	5,649	1,114	1,857	0	5,701	17	163
12	221.31	46,574	368	0	0	7,232	1,065	1,887	0	6,268	22	66
13	222.60	49,980	3,406	0	0	7,807	1,035	1,885	0	4,859	23	-358
14	222.15	48,783	-1,197	0	0	5,538	1,134	1,906	0	5,891	25	547
15	222.45	49,580	797	0	0	5,769	933	1,940	0	4,491	25	156
16	223.04	51,153	1,573	0	0	6,983	1,073	1,975	0	5,392	24	128
17	222.41	49,474	-1,679	0	0	5,371	1,234	1,853	0	5,553	25	-20
18	222.82	50,566	1,092	0	0	6,480	1,497	1,802	0	5,914	22	312
19	222.93	50,859	293	0	0	6,942	1,252	1,738	0	6,414	19	125
20	223.17	51,500	641	0	0	5,799	1,628	1,707	0	5,536	22	161
21	220.25	43,801	-7,699	0	0	2,023	2,058	1,659	0	6,517	24	237
22	222.44	49,554	5,753	0	0	7,837	2,774	1,660	0	6,434	45	428
23	221.67	47,519	-2,035	0	0	5,440	2,508	1,739	0	7,553	29	347
24	221.82	47,914	395	0	0	5,575	3,118	1,791	0	7,133	47	477
25	220.22	43,723	-4,191	0	0	6,404	255	1,116	0	7,704	36	84
26	220.49	44,427	704	0	0	8,776	0	219	0	8,313	37	148
27	221.18	46,233	1,806	0	0	8,251	587	150	0	8,062	50	335
28	220.88	45,446	-787	0	0	7,199	733	71	0	8,395	25	162
29	221.51	47,099	1,653	0	0	7,174	2,155	0	0	8,879	25	408
30	222.47	49,634	2,535	0	0	6,654	2,388	0	0	8,032	31	299
31	221.97	48,308	-1,326	0	0	4,146	3,309	158	0	8,606	55	695
Total			5,285	0	0	204,879	39,864	44,038	0	202,830	836	5,626
Mean cfs			- - -	0	0	6,609	1,286	1,421	0	6,543	27	181
Acre-feet			5,285	0	0	406,383	79,072	87,346	0	402,309	1,658	11,143

1/ Pump-in located at Mile 79.67R.

2/ Includes 123 AF delivered to DFG at O'Neill Forebay.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

May 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Apr 30	530.90	1,876,126						
1	530.06	1,865,747	-10,379	0	5,137	83	0	-13
2	529.17	1,854,771	-10,976	0	5,528	88	0	82
3	528.06	1,841,115	-13,656	0	6,807	90	0	12
4	527.06	1,828,842	-12,273	0	6,189	92	0	93
5	525.29	1,807,188	-21,654	0	10,952	95	0	130
6	523.86	1,789,759	-17,429	0	8,747	98	0	58
7	522.55	1,773,843	-15,916	0	8,467	90	0	533
8	521.55	1,761,727	-12,116	0	6,069	95	0	56
9	520.42	1,748,071	-13,656	0	6,482	104	0	-299
10	519.17	1,733,007	-15,064	0	7,452	145	0	2
11	518.20	1,721,349	-11,658	0	5,649	178	0	-50
12	516.98	1,706,724	-14,625	0	7,232	184	0	43
13	515.67	1,691,068	-15,656	0	7,807	190	0	104
14	514.70	1,679,508	-11,560	0	5,538	178	0	-112
15	513.72	1,667,856	-11,652	0	5,769	168	0	63
16	512.52	1,653,626	-14,230	0	6,983	186	0	-5
17	511.63	1,643,100	-10,526	0	5,371	122	0	186
18	510.52	1,630,004	-13,096	0	6,480	218	0	96
19	509.33	1,616,004	-14,000	0	6,942	210	0	94
20	508.36	1,604,623	-11,381	0	5,799	222	0	283
21	507.96	1,599,937	-4,686	0	2,023	226	0	-113
22	506.59	1,583,926	-16,011	0	7,837	236	0	1
23	505.63	1,572,739	-11,187	0	5,440	235	0	35
24	504.63	1,561,115	-11,624	0	5,575	213	0	-72
25	503.48	1,547,784	-13,331	0	6,404	55	0	-262
26	501.96	1,530,224	-17,560	0	8,776	209	0	132
27	500.56	1,514,110	-16,114	0	8,251	219	0	346
28	499.31	1,499,772	-14,338	0	7,199	185	0	155
29	498.01	1,484,910	-14,862	0	7,174	212	0	-107
30	496.81	1,471,235	-13,675	0	6,654	319	0	79
31	496.04	1,462,484	-8,751	0	4,146	320	0	54
Total			-413,642	0	204,879	5,265	0	1,604
Mean cfs			---	0	6,609	170	0	52
Acre-feet			-413,642	0	406,383	10,446	0	3,187

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 7,061 AF, San Benito: 3,385 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

May 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/, 2/	Total Generation	SWP Generation 1/, 2/	Total Pumping	SWP Pumping 1/, 2/	Federal
1	10,442	9,229	10,190	7,526	0	0	164
2	11,155	9,930	10,965	8,257	0	0	174
3	12,776	11,564	13,502	8,257	0	0	178
4	10,948	9,746	12,276	7,018	0	0	182
5	15,491	14,262	21,724	13,184	0	0	188
6	14,690	11,128	17,349	8,791	0	0	195
7	13,089	9,629	16,794	11,367	0	0	178
8	8,887	5,512	12,037	4,590	0	0	189
9	10,437	6,893	12,857	5,329	0	0	206
10	13,443	9,882	14,782	7,509	0	0	288
11	11,307	10,091	11,205	6,027	0	0	354
12	12,432	11,210	14,344	9,108	0	0	365
13	9,637	8,409	15,486	10,189	0	0	376
14	11,684	8,104	10,984	8,382	0	0	354
15	8,908	7,673	11,443	3,962	0	0	334
16	10,695	9,435	13,851	5,860	0	0	369
17	11,014	6,030	10,654	3,065	0	0	241
18	11,730	6,747	12,853	2,173	0	0	433
19	12,723	7,667	13,770	6,427	0	0	417
20	10,981	5,964	11,503	3,076	0	0	441
21	12,927	7,897	4,012	-293	0	0	448
22	12,761	7,865	15,545	7,480	0	0	469
23	14,981	9,906	10,790	2,588	0	0	467
24	14,148	9,133	11,059	1,429	0	0	422
25	15,280	10,412	12,702	5,465	0	0	110
26	16,489	11,559	17,408	17,408	0	0	415
27	15,991	11,093	16,366	9,468	0	0	434
28	16,651	11,671	14,280	10,117	0	0	367
29	17,611	12,623	14,230	8,168	0	0	421
30	15,931	10,915	13,199	6,139	0	0	633
31	17,070	12,040	8,223	1,192	0	0	634
Total	402,309	294,219	406,383	209,258	0	0	10,446

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

May 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Apr 30	328.23	20,778					
1	328.22	20,773	-5	0	0	0	-5
2	328.21	20,769	-4	0	0	0	-4
3	328.19	20,759	-10	0	0	0	-10
4	328.19	20,759	0	0	0	0	0
5	328.17	20,750	-9	0	0	0	-9
6	328.13	20,731	-19	0	0	0	-19
7	328.15	20,740	9	5	0	0	-1
8	328.15	20,740	0	0	0	0	0
9	328.13	20,731	-9	0	0	0	-9
10	328.09	20,712	-19	0	0	0	-19
11	328.09	20,712	0	0	0	0	0
12	328.07	20,703	-9	0	0	0	-9
13	328.07	20,703	0	0	0	0	0
14	328.05	20,693	-10	0	0	0	-10
15	328.03	20,684	-9	0	0	0	-9
16	328.03	20,684	0	0	0	0	0
17	328.02	20,679	-5	0	0	0	-5
18	328.02	20,679	0	0	0	0	0
19	328.02	20,679	0	0	0	0	0
20	328.01	20,674	-5	0	0	0	-5
21	328.01	20,674	0	0	0	0	0
22	328.00	20,670	-4	0	0	0	-4
23	327.98	20,660	-10	0	0	0	-10
24	327.95	20,646	-14	0	0	0	-14
25	327.92	20,632	-14	0	0	0	-14
26	327.88	20,613	-19	0	0	0	-19
27	327.87	20,608	-5	0	0	0	-5
28	327.86	20,604	-4	0	0	0	-4
29	327.83	20,590	-14	0	0	0	-14
30	327.80	20,576	-14	0	0	0	-14
31	327.77	20,562	-14	0	0	0	-14
Total			-216	5	0	0	-226
Mean cfs			---	0	0	0	---
Acre-feet			-216	10	0	0	-226

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

May 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Computed Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Apr 30	602.60	826					
1	Not Observed			2	0	2	0
2	Not Observed			2	0	2	0
3	Not Observed			2	0	2	0
4	Not Observed			2	0	2	0
5	602.60	826	0	2	0	2	0
6	Not Observed			2	0	2	0
7	Not Observed			2	0	2	0
8	602.60	826	0	2	0	2	0
9	Not Observed			2	0	2	0
10	Not Observed			2	0	2	0
11	Not Observed			2	0	2	0
12	Not Observed			2	0	2	0
13	Not Observed			2	0	2	0
14	Not Observed			2	0	2	0
15	Not Observed			2	0	2	0
16	Not Observed			2	0	2	0
17	Not Observed			2	0	2	0
18	Not Observed			2	0	2	0
19	602.60	826	0	2	0	2	0
20	Not Observed			2	0	2	0
21	Not Observed			2	0	2	0
22	Not Observed			2	0	2	0
23	Not Observed			2	0	2	0
24	Not Observed			2	0	2	0
25	Not Observed			2	0	2	0
26	602.60	826	0	2	0	2	0
27	Not Observed			2	0	2	0
28	Not Observed			2	0	2	0
29	Not Observed			2	0	2	0
30	Not Observed			2	0	2	0
31	602.50	821	-5	2	0	2	-3
Total			-5	62	0	62	---
Mean cfs			---	2	0	2	---
Acre-feet			-5	123	0	123	-5

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					USBR	Transfer	DWR	USBR		
	No.	Structure	Mile			Recreation	Recreation				
2B	12	Check No. 12	66.71		79,072			0	0		
3	13	O'Neill Forebay		Department of Parks and Recreation							
		Outlet Check No. 13	70.85	Department of Fish & Game	123			68	55		
			70.91	San Luis Water District	1,535	1,535					
			Thru	(Floodwater Inflow)	0						
			85.08	Reach 3 Subtotal:	1,658	1,535	0	68	55		
		Dos Amigos Pumping Plant	86.73		402,309						
4	14		89.03	San Luis Water District	7,405	7,405					
			Thru								
			94.06								
			89.66	Pacheco Water District	1,396	1,396					
			Thru								
			89.67								
			89.68	Panoche Water District	5	5					
			89.70	City of Dos Palos	138	138					
	Check No. 14		95.06								
	15		98.15	San Luis Water District	363	363					
			Thru								
			104.20								
			96.15	Panoche Water District	5,028	5,028					
			Thru	(Floodwater Inflow)	0						
			102.64	Broadview Water District	3	3					
			105.22	Westlands Water District	14,985	14,985					
	Check No.15		108.64								
			Pacheco Water District Total:	1,396	1,396	0	0	0	0		
			Broadview Water District Total:	3	3	0	0	0	0		
			City of Dos Palos Total:	138	138	0	0	0	0		
			SLWD Reach 4 Subtotal:	7,768	7,768	0	0	0	0		
			Panoche Water District Total:	5,033	5,033	0	0	0	0		
			SLWD Total:	9,303	9,303	0	0	0	0		
			Westlands WD Reach 4 Subtotal:	14,985	14,985	0	0	0	0		

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Deliveries						
	Beginning and Ending				Total Diver-sions	USBR	Transfer 1/	DWR			
	No.	Structure	Mile					USBR			
5	16		110.52	(Reverse flow, Kings River)	0	18,210	18,210	1			
			Thru	Westlands Water District	18,210						
			122.05	Department of Fish and Game	1						
		Check No. 16	122.07								
	17		124.18	Westlands Water District	15,175	15,175					
			Thru								
		132.74									
		Check No. 17	132.95								
	18		133.81	Westlands Water District	17,554	17,554					
			Thru								
			142.61								
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	16,042						
			143.16	City of Coalinga	477						
		Check No. 18	143.23								
				Westlands WD Reach 5 Subtotal:	66,981	66,981	0	0			
6	19		145.26	Westlands Water District	22,376	22,376					
			Thru								
			151.19								
		Check No. 19	155.64								
				Westlands WD Reach 6 Subtotal:	22,376	22,376	0	0			
7	20		156.34	City of Huron	91	91					
			156.40	Westlands Water District	10,245		5,245	5,000			
			Thru								
			163.69								
		Check No. 20	164.69								
	21		164.79	City of Avenal	310	310	686	5,000			
			167.04	Westlands Water District	5,686						
			Thru								
			171.67								
		Check No. 21	172.40		261,836						
				Reach 7 Total:	16,332	6,332	10,000	0			
				Westlands WD Total:	120,273	110,273	10,000	0			
				City of Coalinga Total:	477	477	0	0			
				City of Huron Total:	91	91	0	0			
				City of Avenal Total:	310	310	0	0			
				Phase I Water Total:	0	0	0	0			
Total San Luis Field Division Deliveries:					137,148	127,024	10,000	69			
								55			

1/ KCWA entitlement delivered to WWD in accordance to agreements dated 1/17/2000.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

May 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Apr 30	29,172								
1	29,161	-11	0	5,264	97	66	1,613	3,504	11
2	27,818	-1,343	0	5,624	112	67	1,773	4,235	-114
3	28,288	470	0	6,441	141	67	1,633	4,044	-319
4	26,787	-1,501	0	5,520	154	61	1,846	4,207	-9
5	27,041	254	0	7,810	155	61	1,950	5,393	-122
6	28,925	1,884	0	7,406	140	64	1,805	4,042	-405
7	29,368	443	0	6,599	129	65	1,770	4,300	-111
8	28,293	-1,075	0	4,480	134	73	1,883	3,558	626
9	27,801	-492	0	5,262	127	85	1,883	3,723	308
10	28,701	900	0	6,777	170	75	1,963	4,384	269
11	28,709	8	0	5,701	145	68	1,603	3,913	32
12	29,048	339	0	6,268	146	68	1,576	4,012	-295
13	27,945	-1,103	0	4,859	139	68	1,596	3,325	-287
14	29,151	1,206	0	5,891	137	75	1,626	3,835	390
15	28,795	-356	0	4,491	199	72	1,773	3,044	417
16	28,380	-415	0	5,392	148	75	1,701	3,603	-74
17	28,412	32	0	5,553	149	80	1,729	3,474	-105
18	28,248	-164	0	5,914	157	90	1,726	3,904	-120
19	28,635	387	0	6,414	174	90	1,769	3,929	-257
20	28,674	39	0	5,536	142	80	1,916	3,176	-202
21	28,372	-302	0	6,517	144	86	1,860	4,501	-78
22	28,654	282	0	6,434	226	87	1,827	4,000	-151
23	29,236	582	0	7,553	205	86	2,069	4,559	-341
24	28,905	-331	0	7,133	201	96	2,255	4,467	-281
25	28,393	-512	0	7,704	120	108	2,277	5,173	-284
26	28,880	487	0	8,313	130	121	2,408	4,994	-415
27	28,919	39	0	8,062	125	113	2,742	5,040	-22
28	28,152	-767	0	8,395	114	108	2,430	5,916	-214
29	28,749	597	0	8,879	112	107	2,669	5,541	-149
30	29,157	408	0	8,032	213	95	2,816	4,526	-176
31	28,352	-805	0	8,606	205	80	2,575	5,683	-469
Total		-820	0	202,830	4,690	2,537	61,062	132,007	-2,947
Mean cfs		---	0	6,333	151	82	1,970	4,258	-95
Acre-feet		-820	0	402,309	9,302	5,033	121,117	261,836	-5,841

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 7,768 AF to San Luis WD, 1,395 AF AG & 1 AF M&I to Pacheco W.D. and 138 AF to the City of Dos Palos.

4/ Includes 120,273 AF to Westlands WD, 91 AF to the City of Huron, 272 AF to the City of Avenal, 477 AF to the City of Coalinga, 0 AF Phase I Water @ Lat. 13R, 1 AF to F&G @ WWD Lateral 4L, and 3 AF to Broadview W.D.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

May 2000

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	366	366	63	58	65	4,591	4,563	4,284	4,203
2	453	453	64	58	66	5,408	4,976	4,607	4,429
3	460	460	61	56	62	5,170	5,196	4,817	4,695
4	420	420	87	84	90	6,213	5,633	5,697	5,242
5	414	414	70	66	74	5,866	5,795	5,477	5,264
6	260	260	46	43	47	6,462	6,128	5,865	5,801
7	411	411	92	84	94	6,774	6,786	6,428	6,446
8	426	426	73	71	75	3,664	3,521	3,276	3,201
9	501	501	81	76	82	4,018	3,587	3,320	3,201
10	488	488	68	68	70	5,204	4,657	4,412	4,184
11	502	502	80	76	81	4,686	4,553	4,238	4,050
12	450	450	71	68	75	4,943	4,517	4,319	4,166
13	285	285	50	46	51	4,342	4,273	3,900	3,763
14	373	373	110	103	112	4,151	4,195	4,056	3,921
15	464	464	70	62	68	3,764	3,596	3,352	3,112
16	534	534	83	78	85	4,493	4,116	3,744	3,711
17	564	564	77	73	80	3,975	3,510	3,149	2,882
18	557	557	77	72	79	4,617	4,195	3,956	3,757
19	401	401	85	80	86	4,387	3,837	3,601	3,427
20	330	330	78	75	81	3,735	3,298	3,051	2,919
21	345	345	104	95	104	4,881	4,366	4,226	4,109
22	404	404	64	61	72	4,413	4,253	3,966	3,771
23	580	580	134	128	133	4,927	4,249	3,993	3,894
24	564	564	139	135	140	5,059	4,469	4,095	3,921
25	527	527	120	122	122	5,413	4,713	4,416	4,139
26	612	612	129	124	127	5,088	4,400	4,117	3,951
27	596	596	127	125	126	5,109	4,383	4,106	3,921
28	637	637	128	126	126	6,728	6,258	6,061	6,016
29	663	663	118	115	116	6,045	5,681	5,378	5,210
30	673	673	131	127	126	3,718	2,946	2,578	2,381
31	625	625	115	115	115	5,419	4,814	4,408	4,198
Total	14,885	14,885	2,795	2,670	2,830	153,263	141,464	132,893	127,885

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

May 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Entitlement	USBR	Purchase	Purchase	Zone-7		
	No.	Mile					Pool A	Pool B	Ent. 1/		
7	21	Check No. 21	172.40	261,836							
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	0					
				County of Kings TL - A	400	400					
				TLBWSA TL-A	2,149	2,149					
				175.18 DRWD - 1	1,144	1,144					
				177.54 DRWD - 1B	141	141					
				180.64 TLBWSA - C	0						
				180.65 DRWD - 1A	270	270					
				182.99 DRWD - 2	3,022	3,022					
				183.00 Tulare Lake Basin WSD TL - B	208	208					
				184.63 Coastal Branch	14,885	980					
31A	8D		184.78	Dudley Ridge Water Dist. DRWD - 3	980	5,557	0	0	0		
				Dudley Ridge Reach 8D Total:	5,557	2,357	0	0	0		
9	23		184.82	Tulare Lake Basin WSD Total:	2,357						
				Kern County Water Agency Lost Hills Water Dist. - 1	3,870	3,870					
				189.69	3,870	897					
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	897	94					
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	94	0					
				196.40 Kern County Water Agency Berrenda Mesa - 2	0	532					
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	532	5,393	0	0	0		
				K.C.W.A. Reach 9 Subtotal:	5,393						
				Check No. 23	197.05						
				201.24 Kern County Water Agency Lost Hills Water Dist. - 7	2,023	2,023					
10A	24		202.05	Kern County Water Agency Lost Hills Water Dist. - 5	3,532	3,532					
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0	0					
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	0						
				Check No. 24	207.94						
				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	1,982	1,982					
				209.78 Kern National Wildlife Refuge USBR BV-1B	363	363					
					78	78					
				209.80 Kern County Water Agency Buena Vista WSD 1B	18,247	18,247	5,000	5,000	3,000		
				KCWA Semitropic WSD	23,247						
				KCWA Semitropic WSD Penstocks	16,263	8,263					
	25			USBR Total:	363	0	363	0	0		
				K.C.W.A. Reach 10A Subtotal:	47,125	34,125	0	10,000	0		

1/ Semitropic WSD is storing this water for Alameda County Water District-Zone 7.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			Entitle-ment	Federal Wheeling	Purchase Pool A	Purchase Pool B	MWD Ent.			
	No.	Structure											
11B	25		210.75	Kern County Water Agency Belridge - 2	0	1,205							
			214.11	Kern County Water Agency Belridge - 3	1,205								
			216.62	Kern County Water Agency Belridge - 4	0								
			217.13	Kern County Water Agency Belridge - 5	9,568		9,568						
				Kern County Water Agency Belridge - 5D	379								
		Check No. 25	217.79										
				K.C.W.A. Reach 11B Subtotal:	11,152	11,152	0	0	0	0			
12D	26		219.58	Kern County Water Agency Belridge - 6	0								
			Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	38	38							
			Check No. 27	231.73									
	28		235.75	Kern County Water Agency Buena Vista - 2	1,006	1,006							
			238.04	Kern County WA CVC	0		4,471						
				DRWD CVC	4,471								
				Tulare Co.	0								
				Lower Tule River	0								
				Fresno Co.	0								
				Pixley ID	0								
				Hacienda DWR Wells	0								
		Check No. 28	238.11										
			1/ Arvin Edison Total:	0	0	0	0	0	0				
			Reach 12E Subtotal:	5,515									
13B	29		241.02	Kern River Intertie (inflow)	0	0							
			242.85	KCWA Buena Vista WSD - 7	0		32						
				KCWA Buena Vista WSD - 5	32								
				Kern County Water Agency Buena Vista - 3	3,614								
		Check No. 29	244.54	Buena Vista WSD	0	3,614							
	30		249.85	Kern County Water Agency Buena Vista - 4	0								
				Buena Vista Pumping Plant	153,263								
				K.C.W.A. Reach 13B Subtotal:	3,646	3,646	0	0	0	0			
14A	31			Kern County Water Agency West Kern - 2	0		0						
				Kern County Water Agency Wheeler Ridge-Maricopa - 2	202								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Inter-ruptible Ent.	MWD	Exchange	MWD Ent.	
	No.	Structure	Mile	Ent. Exch.							
14A	31	Check No. 31	256.14			665	665				
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	665						
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,594						
		Check No. 32	261.72								
				KCWA Reach 14A Subtotal:	2,461		2,461	0	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	4,503	4,503	596				
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	596						
		Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	2,978	2,978					
			271.27								
				Reach 14B Total:	8,077	8,077	0	0	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	2,614	2,614	2,000				
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	2,000						
				Reach 14C Total:	4,614		4,614	0	0	0	
15A	36	Teerink Pumping Plant	278.13		141,464	639	5,283				
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	639						
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	5,283						
				Reach 15-A Total:	5,922		5,922	0	0	0	
	Chrismans Pumping Plant	280.36			132,893						
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	0	479				
			283.95								
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	0						
	38		286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	479	168	1,544				
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
		Check No. 38	287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	168	318	3,582				
			290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,544	1,073	0				
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	318						
				Kern County Water Agency Tehachapi Cummings CWD	1,073						
				K.C.W.A. Reach 16A Subtotal:	3,582						
17E	Edmonston Pumping Plant	293.45			127,885						

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Inter-ruptible Ent.	Zone 7 Ent. 1/	Purchase Exchange	Pool A	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		14,885	226	796	11,060	0	0	
		Las Perillas Pumping Plant	1.16		14,885						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		14,885						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	226						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	796						
			14.83	Kern County Water Agency Berrenda Mesa - DD	0						
				Kern County Water Agency Berrenda Mesa - PO	11,060						
		Devil's Den Pumping Plant	14.86		2,795						
				K.C.W.A. Reach 31A Subtotal:	11,856	11,856	0	0	0	0	
				K.C.W.A. Total:	109,343	96,343	0	3,000	0	10,000	
33A	C-7	Bluestone Pumping Plant	19.05		2,670	2,422	358	0	0	0	
	C-8	Polonio Pass Pumping Plant	26.54		2,830						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,422						
		Tank Site 2	58.63	Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	358	2,780	0	0	0	0	
		Energy Dissipater	78.12								
	Lopez T.O.	85.86		SLOCFC & WCD	0						
35	C-12			CCWA Total:	2,780	2,780	0	0	0	0	
		Guadalupe T.O.	102.70	SBCFC & WCD	0						
		Santa Maria T.O.	107.43	SBCFC & WCD	0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0						
38				SBCFC & WCD Total:	0	0	0	0	0	0	
		Tank Site 5	115.42								

1/ Semitropic WSD is storing this water for Alameda County Water District-Zone 7.

Table 24. Southern Field Division Plant Data

(in acre-feet)

May 2000

Date	West Branch					East Branch								
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	
		Generation	Leakage	Generation	Pumpback	Bypass Through Plant	Cottonwood Chute	Generation		Leakage	Bypass Flume			
1	2,055	2,240	0	6,394	2,648	2,271	0	0	2,153	630	0	1,778	2,657	
2	1,929	2,217	0	6,529	2,559	2,459	0	13	2,276	2,549	0	0	2,248	
3	2,049	3,001	0	6,600	2,733	2,575	0	46	2,325	2,726	0	0	2,318	
4	2,398	2,265	0	5,633	4,055	2,794	0	31	2,254	2,124	0	0	2,045	
5	2,931	3,095	0	5,858	1,335	2,304	0	28	2,059	1,891	0	0	2,209	
6	3,408	3,286	0	3,050	2,636	2,448	0	0	1,975	2,036	0	0	2,606	
7	3,699	2,697	0	44	2,349	2,773	0	0	2,231	2,088	0	0	1,944	
8	745	901	0	3,222	2,624	2,282	0	164	2,247	2,251	0	0	2,293	
9	862	891	0	4,224	997	2,215	0	72	2,248	2,257	0	0	2,405	
10	1,181	852	0	2,119	582	2,900	0	93	1,951	2,247	0	0	2,875	
11	791	888	0	363	1,148	3,241	0	57	2,824	2,585	0	0	2,503	
12	981	990	0	2,560	1,867	3,221	0	28	2,882	3,177	0	0	2,172	
13	756	875	0	421	3,577	3,067	0	0	2,584	2,660	0	0	2,158	
14	716	0	0	2,142	2,462	3,183	0	0	2,877	2,930	0	0	2,050	
15	586	915	0	3,743	1,453	2,521	0	0	2,276	2,284	0	0	2,786	
16	925	896	0	958	0	2,645	0	145	2,314	2,527	0	0	2,327	
17	730	899	0	556	0	2,102	0	34	1,824	1,989	0	0	2,473	
18	901	1,410	0	3,916	738	2,832	0	0	2,189	2,076	0	0	2,313	
19	939	899	0	4,557	1,793	2,509	0	0	2,092	2,269	0	0	2,346	
20	784	1,321	0	3,819	1,786	2,113	0	0	1,563	1,387	0	0	2,657	
21	875	138	0	5,053	4,959	3,288	0	0	2,877	3,072	0	0	2,221	
22	1,169	1,665	0	3,526	5,233	2,497	0	0	2,454	2,633	0	0	2,354	
23	1,626	1,650	0	4,559	0	2,372	0	0	2,256	2,380	0	0	2,387	
24	1,518	1,647	0	3,226	603	1,930	0	453	1,793	1,856	0	0	2,549	
25	1,558	1,650	0	3,654	869	2,600	0	0	1,906	1,886	0	0	2,120	
26	1,559	1,406	0	4,505	1,570	2,413	0	0	2,081	2,226	0	0	1,731	
27	1,533	1,645	0	3,443	4,062	2,362	0	0	1,865	2,138	0	0	1,783	
28	2,980	1,552	0	5,573	5,541	2,987	0	0	2,598	2,399	0	0	1,902	
29	2,405	2,067	0	3,993	5,031	2,653	0	183	2,043	2,093	0	0	1,663	
30	901	1,899	0	5,487	1,435	1,432	0	0	1,487	1,764	0	0	1,982	
31	1,775	1,900	0	5,145	1,955	2,328	0	53	1,795	1,929	0	0	1,814	
Total	47,265	47,757	0	114,872	68,600	79,317	0	1,400	68,299	69,059	0	1,778	69,891	

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) Gains (+)	
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek		
Apr 30	2572.16	162,471									
1	2570.77	160,735	-1,736	2,648	2,240	73	6,394	0	50	-253	
2	2569.13	158,702	-2,033	2,559	2,217	70	6,529	0	50	-300	
3	2568.03	157,347	-1,355	2,733	3,001	66	6,600	0	50	-505	
4	2568.49	157,913	566	4,055	2,265	61	5,633	0	50	-132	
5	2567.48	156,673	-1,240	1,335	3,095	62	5,858	0	50	176	
6	2569.76	159,481	2,808	2,636	3,286	58	3,050	0	50	-72	
7	2573.72	164,434	4,953	2,349	2,697	56	44	0	50	-55	
8	2573.89	164,649	215	2,624	901	54	3,222	0	50	-92	
9	2571.98	162,246	-2,403	997	891	52	4,224	0	50	-69	
10	2571.32	161,420	-826	582	852	52	2,119	0	50	-143	
11	2572.62	163,048	1,628	1,148	888	49	363	0	50	-44	
12	2572.86	163,350	302	1,867	990	47	2,560	0	50	8	
13	2576.04	167,383	4,033	3,577	875	45	421	0	50	7	
14	2576.19	167,575	192	2,462	0	42	2,142	0	50	-120	
15	2575.10	166,184	-1,391	1,453	915	42	3,743	0	50	-8	
16	2575.03	166,095	-89	0	896	43	958	0	50	-20	
17	2575.20	166,311	216	0	899	42	556	0	50	-119	
18	2573.72	164,434	-1,877	738	1,410	42	3,916	0	50	-101	
19	2572.24	162,571	-1,863	1,793	899	39	4,557	0	50	13	
20	2571.29	161,383	-1,188	1,786	1,321	37	3,819	0	50	-463	
21	2571.27	161,358	-25	4,959	138	35	5,053	0	50	-54	
22	2574.00	164,788	3,430	5,233	1,665	34	3,526	0	50	74	
23	2571.60	161,770	-3,018	0	1,650	32	4,559	0	50	-91	
24	2570.67	160,610	-1,160	603	1,647	33	3,226	0	50	-167	
25	2569.71	159,419	-1,191	869	1,650	34	3,654	0	50	-40	
26	2568.36	157,753	-1,666	1,570	1,406	31	4,505	0	50	-118	
27	2570.15	159,964	2,211	4,062	1,645	28	3,443	0	50	-31	
28	2571.10	161,146	1,182	5,541	1,552	27	5,573	0	50	-315	
29	2573.47	164,119	2,973	5,031	2,067	27	3,993	0	51	-108	
30	2571.50	161,645	-2,474	1,435	1,899	27	5,487	0	51	-297	
31	2570.38	160,250	-1,395	1,955	1,900	26	5,145	0	51	-80	
Total				-2,221	68,600	47,757	1,366	114,872	0	1,553	-3,519

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,746 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
					Natural		Natural	Project		
Apr 30	1517.33	22,117								
1	1526.42	26,049	3,932	6,394	7	2,648	7	0	186	
2	1529.12	27,275	1,226	6,529	6	2,559	6	2,735	-9	
3	1530.79	28,048	773	6,600	5	2,733	5	3,094	0	
4	1525.70	25,727	-2,321	5,633	5	4,055	5	3,900	1	
5	1528.29	26,895	1,168	5,858	6	1,335	6	3,354	-1	
6	1520.34	23,386	-3,509	3,050	6	2,636	6	3,904	-19	
7	1514.99	21,156	-2,230	44	5	2,349	5	0	75	
8	1516.64	21,831	675	3,222	5	2,624	5	0	77	
9	1524.33	25,119	3,288	4,224	4	997	4	0	61	
10	1527.73	26,640	1,521	2,119	4	582	4	0	-16	
11	1518.66	22,673	-3,967	363	4	1,148	4	3,182	0	
12	1516.23	21,662	-1,011	2,560	4	1,867	4	1,690	-14	
13	1508.30	18,536	-3,126	421	3	3,577	3	0	30	
14	1507.52	18,242	-294	2,142	3	2,462	3	0	26	
15	1513.35	20,496	2,254	3,743	3	1,453	3	0	-36	
16	1515.69	21,441	945	958	4	0	4	0	-13	
17	1517.03	21,992	551	556	3	0	3	0	-5	
18	1519.61	23,075	1,083	3,916	3	738	3	2,098	3	
19	1525.82	25,780	2,705	4,557	2	1,793	2	0	-59	
20	1524.52	25,203	-577	3,819	2	1,786	2	3,108	498	
21	1524.64	25,256	53	5,053	1	4,959	1	0	-41	
22	1513.58	20,588	-4,668	3,526	1	5,233	1	2,963	2	
23	1517.28	22,096	1,508	4,559	1	0	1	3,052	1	
24	1523.30	24,666	2,570	3,226	1	603	1	0	-53	
25	1522.72	24,413	-253	3,654	2	869	2	3,039	1	
26	1522.52	24,326	-87	4,505	2	1,570	2	3,020	-2	
27	1521.25	23,776	-550	3,443	2	4,062	2	0	69	
28	1521.82	24,022	246	5,573	1	5,541	1	0	214	
29	1519.54	23,045	-977	3,993	0	5,031	0	0	61	
30	1529.17	27,298	4,253	5,487	0	1,435	0	0	201	
31	1523.54	24,771	-2,527	5,145	0	1,955	0	5,721	4	
Total				2,654	114,872	95	68,600	95	44,860	1,242

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) Gains (+)	
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Apr 30	1510.35	313,403								
1	1509.63	311,827	-1,576	7	0	8	1,482	0	-109	
2	1510.34	313,381	1,554	6	2,735	7	1,355	0	161	
3	1511.27	315,425	2,044	5	3,094	7	1,249	0	187	
4	1512.50	318,139	2,714	5	3,900	6	1,238	0	41	
5	1513.22	319,735	1,596	6	3,354	7	1,289	0	-482	
6	1514.33	322,203	2,468	6	3,904	8	1,311	69	-70	
7	1513.76	320,934	-1,269	5	0	8	1,301	69	88	
8	1513.13	319,535	-1,399	5	0	8	1,245	69	-98	
9	1512.50	318,139	-1,396	4	0	7	1,332	69	-6	
10	1511.86	316,725	-1,414	4	0	6	1,338	69	-17	
11	1512.60	318,361	1,636	4	3,182	6	1,333	0	-223	
12	1512.77	318,737	376	4	1,690	6	1,279	0	-45	
13	1512.14	317,343	-1,394	3	0	6	1,378	0	-25	
14	1511.56	316,064	-1,279	3	0	5	1,211	0	-76	
15	1510.99	314,809	-1,255	3	0	6	1,188	0	-76	
16	1510.38	313,469	-1,340	4	0	6	1,401	0	51	
17	1509.69	311,958	-1,511	3	0	6	1,480	0	-40	
18	1509.96	312,549	591	3	2,098	5	1,563	0	48	
19	1509.24	310,975	-1,574	2	0	5	1,647	0	66	
20	1509.96	312,549	1,574	2	3,108	4	1,519	0	-21	
21	1509.27	311,040	-1,509	1	0	4	1,479	0	-35	
22	1509.87	312,352	1,312	1	2,963	3	1,499	0	-156	
23	1510.32	313,338	986	1	3,052	3	1,603	397	-70	
24	1509.51	311,564	-1,774	1	0	3	1,521	299	42	
25	1510.05	312,746	1,182	2	3,039	5	1,490	241	-133	
26	1510.71	314,193	1,447	2	3,020	5	1,475	240	135	
27	1509.90	312,417	-1,776	2	0	3	1,599	240	58	
28	1509.06	310,582	-1,835	1	0	2	1,630	240	32	
29	1508.19	308,687	-1,895	0	0	2	1,633	240	-24	
30	1507.32	306,800	-1,887	0	0	1	1,728	240	80	
31	1509.13	310,734	3,934	0	5,721	1	1,630	240	82	
Total			-2,669	95	44,860	159	44,426	2,722	-635	

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

May 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Rec.	Local	Purchase	CLWA T1	
	No.	Structure	Mile	Pool B							
29A	42	Oso Pumping Plant	1.49		47,265						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		47,757						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0						
29J	W4	Castaic Power Plant	25.82	(68,600 AF pumpback)	114,872						
		Elderberry Forebay									
		Forebay Dam	28.12								
		Castaic Lake		Calif. State Park Castaic Lake Recreation	30						
30 1/	W5	Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWD - 78"	41,055						
				MWD - 132"	2,627						
				MWD-Castaic Lake WA - T1	-2,627						
				Castaic Lake WA - T1	2,627						
				Castaic Lake WA	560						
				United Water Conservation Dist.	0						
				MWD - Ventura County FCD	154						
				LA Co. Parks & Recreation	0						
				Releases to Lagoon	2,722						
				Reach 30 Subtotal:	44,426	44,396	30	0	0	0	
	W6	Castaic Lagoon		Recreation to Lagoon	119						
		Castaic Lagoon Outlet	31.87		2,149						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

May 2000

Date	Water Surface Elev. (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) Gains (+)	Las Flores Ranch Exchange 1/	
							Project			Del. To Mojave W.A.	Natural To Mojave River		
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Inflow	Delivered to CLAWA	Rec.	San Bernardino Tunnel				
Apr 30	3350.76	70,894											
1	3350.72	70,856	-38	630	1,778	17	3	0	2,657	0	1	198	
2	3351.00	71,121	265	2,549	0	15	4	0	2,248	0	0	-47	
3	3351.43	71,530	409	2,726	0	15	2	1	2,318	0	1	-10	
4	3351.49	71,587	57	2,124	0	14	3	0	2,045	0	0	-33	
5	3351.30	71,406	-181	1,891	0	14	3	0	2,209	0	1	127	
6	3350.74	70,875	-531	2,036	0	13	4	0	2,606	0	0	30	
7	3350.98	71,102	227	2,088	0	12	3	0	1,944	0	1	75	
8	3351.13	71,245	143	2,251	0	12	3	0	2,293	0	0	176	
9	3351.01	71,131	-114	2,257	0	11	2	1	2,405	0	1	27	
10	3350.42	70,572	-559	2,247	0	11	3	0	2,875	0	0	61	
11	3350.64	70,780	208	2,585	0	11	3	0	2,503	0	1	119	
12	3351.61	71,701	921	3,177	0	10	3	0	2,172	0	0	-91	
13	3352.13	72,197	496	2,660	0	10	3	0	2,158	0	1	-12	
14	3352.97	73,003	806	2,930	0	9	0	1	2,050	0	0	-82	
15	3352.46	72,513	-490	2,284	0	9	3	0	2,786	0	1	7	
16	3352.62	72,666	153	2,527	0	10	3	0	2,327	0	0	-54	
17	3352.11	72,178	-488	1,989	0	9	2	1	2,473	0	1	-9	
18	3351.88	71,958	-220	2,076	0	9	4	0	2,313	0	0	12	
19	3351.77	71,853	-105	2,269	0	8	3	0	2,346	0	1	-32	
20	3350.47	70,620	-1,233	1,387	0	8	3	1	2,657	0	0	33	
21	3351.28	71,387	767	3,072	0	7	3	0	2,221	0	1	-87	
22	3351.64	71,730	343	2,633	0	7	3	0	2,354	0	0	60	
23	3351.53	71,625	-105	2,380	0	6	4	1	2,387	0	0	-99	
24	3350.83	70,960	-665	1,856	0	6	6	0	2,549	0	0	28	
25	3350.55	70,695	-265	1,886	0	7	7	0	2,120	0	1	-30	
26	3350.91	71,036	341	2,226	0	7	7	1	1,731	0	0	-153	
27	3351.42	71,520	484	2,138	0	6	6	0	1,783	0	0	129	
28	3351.89	71,968	448	2,399	0	5	6	0	1,902	0	0	-48	
29	3352.13	72,197	229	2,093	0	5	6	0	1,663	0	1	-199	
30	3351.77	71,853	-344	1,764	0	4	6	0	1,982	0	0	-124	
31	3351.80	71,882	29	1,929	0	3	5	1	1,814	0	0	-83	
Total				988	69,059	1,778	290	116	8	69,891	0	13	-111
												401	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation
(in acre-feet except as noted)

Capacity: 131,452 ac-ft

May 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Apr 30	1581.67	112,650				
1	1581.56	112,408	-242		236	
2	1581.48	112,233	-175		108	
3	1581.42	112,102	-131		108	
4	1581.30	111,839	-263		144	
5	1581.17	111,555	-284		307	
6	1581.07	111,337	-218		307	
7	1580.86	110,879	-458		307	
8	1580.74	110,617	-262		134	
9	1580.74	110,617	0		9	
10	1580.76	110,661	44		11	
11	1580.73	110,596	-65		11	
12	1580.78	110,704	108		12	
13	1580.68	110,487	-217		78	
14	1580.67	110,465	-22		10	
15	1580.64	110,400	-65		12	
16	1580.81	110,770	370		12	
17	1580.69	110,508	-262		12	
18	1580.65	110,421	-87		12	
19	1580.64	110,400	-21		12	
20	1580.63	110,378	-22		12	
21	1580.62	110,356	-22		187	
22	1580.65	110,421	65		10	
23	1580.69	110,508	87		10	
24	1580.65	110,421	-87		10	
25	1580.62	110,356	-65		10	
26	1580.75	110,639	283		10	
27	1580.75	110,639	0		10	
28	1580.60	110,313	-326		10	
29	1580.47	110,030	-283		10	
30	1580.44	109,965	-65		10	
31	1580.46	110,008	43		10	
Total			-2,642	1,330	2,141	-1,831

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

May 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitle-ment	Rec.	Transfer	Purchase Pool B	Transfer Local Out	
	No.	Structure	Mile							
17E	40	Edmonston Pumping Plant	293.45		127,885					
	41		298.65	Kern County Water Agency Tej.-Cas		Stub				
17F		Check No. 41	303.41							
18A	42	Check No. 42	304.99							
19	43	Alamo Powerplant	305.73	(Does not include 1,400 AF flow down Cottonwood Chute)	79,317	38	124	0		
			308.05	Antelope Valley-East Kern WA	0					
		Check No. 43	309.70							
	44		311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
	45	Check No. 44	314.81							
	46		314.93	AVEK 235th Street West	38					
			315.57	AVEK 225th Street West	0					
	47	Check No. 45	319.74							
	48		323.19	Antelope Valley-East Kern WA Fairmont	4,512					
		Check No. 46	323.84							
				Reach 19 Total:	4,550					
20A	49	Check No. 47	326.77			3,414	70	0		
	50		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	84					
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed					
		Check No. 48	330.82							
	51	Check No. 49	335.93							
	52		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	3,414					
				Antelope Valley-East Kern WA	70					
20B	53	Check No. 50	341.51							
	54	Check No. 51	342.07							
			342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use					
	55	Check No. 52	343.74							
			346.98	PWD Palmdale	0					
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0					
21	56	Check No. 53	348.17			221	4	0		
	57	Check No. 54	350.25							
	58	Check No. 55	352.70							
		Check No. 56	354.76							
			354.97	Littlerock Creek I.D.	0					
22A	59	Check No. 57	356.93			492	4	0		
	60		357.60	Antelope Valley-East Kern WA	4					
			357.72	96th Street East	221					
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	492					

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

May 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	Recreation	Flexible State Withdrawal	Bypass Ent.	Local	
	No.	Structure	Mile							
22B	58	Pearblossom Pumping Plant	360.61		124					
	59	Check No. 59	366.09							
	60	Check No. 60	373.94							
	61	Check No. 61	379.00							
	62	Check No. 62	384.26							
	63	Check No. 63	389.20	Mojave Water Agency Mojave River		0				
	64	Check No. 64	395.10							
	65	Check No. 65	400.32							
	66		401.10	Mojave Water Agency Morongo 24" and 42"		124				
				Mojave Water Agency Hesperia		0				
23	Check No. 66	403.41								
	Mojave Siphon	405.48		Las Flores Ranch	401				401	
24	Mojave Siphon Powerplant	405.65		(Does not include 1,778 AF of bypass at Mojave Flume)	69,059				39	
	Silverwood Lake	407.65		Crestline Lake Arrowhead Water Agency	116	77	8			
				Calif. State Park Silverwood Agency (Rec.)	8					
25	San Bernardino Tunnel	411.46			69,780					
				San Gorgonio Pass Water Agency	0					
26A	Devil Canyon Powerplant	412.73			69,891					
	Devil Canyon Afterbay Control Structures	412.88		MWD-SC Rialto	30,890	30,890	4,145			
				Desert Water Agency (MWD Wheeling Exchange)	4,145					
				San Gabriel Valley Water District	0					
				Coachella Valley WD (MWD Wheeling Exchange)	2,503					
				San Bernardino Valley Metropolitan Water District	200					
				MWD (SBVMWD Exchange)	0					
28G	Santa Ana Valley Pipeline	425.46								
28H		433.06		MWD-SC Box Springs	7,485	7,485	275			
		440.05		MWD-SC Perris Bypass Pipeline	24,593				24,593	
28J		442.00		MWD-SC 18"	275					
	Lake Perris	443.44		MWD-SC 54"	0	1,821	45			
				MWD-SC 78"	1,821					
				Calif. State Park Lake Perris Recreation	45					
				MWD Total:	112,921	86,232	0	2,096	24,593	0

Table 32. Water Quality At Selected SWP Locations

May 2000

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	37	134	64	69	74	74	74	74	70
Antimony	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic	mg/l	<0.001	0.003	0.002	0.002	0.002	0.002	0.002	<0.001	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.06	0.12	0.15	0.18	0.18	0.18	0.18	0.13
Calcium	mg/l	8	21	20	25	20	20	20	20	19
Carbon - Dissolved Organic	mg/l as C	NR	5	5	3	3	3	3	3	4
Carbon - Total Organic	mg/l as C	NR	6	5	NR	NR	NR	3	4	4
Chloride	mg/l	1	32	45	60	64	62	64	64	48
Chromium	mg/l	<0.005	0.015	0.008	<0.005	0.007	0.002	0.007	<0.005	0.005
Copper	mg/l	0.001	0.004	0.003	0.002	0.003	0.001	0.002	<0.001	0.003
Fluoride	mg/l	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	32	135	93	116	99	99	99	99	89
Iron	mg/l	0.008	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3	20	11	13	12	12	12	12	10
Manganese	mg/l	<0.005	0.026	0.026	<0.005	<0.005	<0.005	<0.005	<0.005	0.011
Nitrate + Nitrite	mg/l as N	0.01	0.03	0.71	NR	NR	0.61	NR	0.59	0.45
Phosphorus-Ortho	mg/l as P	<0.01	0.07	0.07	NR	NR	0.04	NR	<0.01	0.06
Phosphorus-Total	mg/l	<0.01	0.15	0.09	NR	NR	0.06	NR	0.12	<0.01
Selenium	mg/l	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	<0.001
Sodium	mg/l	3	40	38	47	47	46	45	47	39
Specific Conductance	µS/cm	76	440	384	478	447	441	443	449	386
Sulfate	mg/l	1	48	51	65	40	40	41	40	42
Total Dissolved Solids	mg/l	48	244	212	261	242	242	239	236	210
Turbidity	NTU	4	40	9	8	3	4	5	9	3
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

May 2000

Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millSiemens/cm								Cl in mg/l		
	(Antioch) Daily Mean		Net Delta Outflow Index	Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Mean Daily	Monthly Average					md	md	md	14dm					
	Hi	Half					md	md	md	14dm	md	md	md	md	
1	2.44	0.74	28,417	28,417	21,340	0.19	0.18	0.16	0.16	0.22	0.20	0.37	0.63	0.41	40
2	2.71 e	0.82	28,934	28,675	21,690	0.17	0.23	0.16	0.16	0.22	0.20	0.37	0.60	0.38	41
3	3.11	1.00	29,041	28,797	21,959	0.19	0.29	0.15	0.16	0.22	0.21	0.38	0.60	0.38	44
4	3.27	1.07	29,656	29,012	22,412	0.20	0.28	0.15	0.16	0.22	0.21	0.38	0.63	0.33	41
5	3.53	1.23	29,608	29,131	22,855	0.21	0.29	0.15	0.16	0.22	0.21	0.39	0.61	0.34	40
6	3.58	1.18	30,263	29,320	22,897	0.20	0.25	0.15	0.16	0.22	0.22	0.38	0.65	0.38	39
7	3.26	1.06	32,078	29,714	23,784	0.21	0.18	0.15	0.16	0.22	0.22	0.38	0.61	0.39	39
8	3.37	1.15	34,330	30,291	24,636	0.21	0.20	0.15	0.16	0.22	0.22	0.39	0.60	0.38	39
9	3.05	1.18	35,869	30,911	24,198	0.21	0.16	0.15	0.16	0.21	0.22	0.40	0.57	0.38	40
10	2.83	1.18	35,284	31,348	23,347	0.21	0.00	0.15	0.15	0.21	0.22	0.41	0.58	0.39	43
11	2.12	0.64	33,729	31,564	21,752	0.21	0.00	0.15	0.15	0.21	0.22	0.41	0.57	0.42	47
12	2.12	0.48	29,910	31,426	18,550	0.20	0.00	0.15	0.15	0.21	0.22	0.40	0.58	0.45	53
13	2.36	0.63	25,059	30,937	15,410	0.20	0.00	0.15	0.15	0.20	0.22	0.40	0.58	0.44	58
14	2.69	0.84	21,454	30,259	13,606	0.20	0.16	0.16	0.15	0.21	0.22	0.39	0.60	0.41	64
15	2.93	0.99	19,365	29,533	13,030	0.20	0.29	0.16	0.15	0.21	0.21	0.38	0.63	0.41	68
16	3.09	1.06	18,861	28,866	14,136	0.20	0.42	0.16	0.15	0.21	0.21	0.39	0.60	0.40	70
17	3.03	0.93	20,082	28,349	15,328	0.21	0.37	0.17	0.15	0.21	0.21	0.39	0.59	0.40	88
18	3.00	0.94	20,614	27,920	16,524	0.21	0.33	0.17	0.16	0.21	0.21	0.35	0.58	0.39	89
19	3.03	0.97	22,620	27,641	16,519	0.21	0.30	0.17	0.16	0.20	0.21	0.36	0.58	0.37	90
20	2.96	1.03	21,220	27,320	15,606	0.21	0.27	0.18	0.16	0.21	0.21	0.37	0.60	0.40	90
21	2.93	1.07	19,078	26,927	14,404	0.20	0.26	0.18	0.16	0.21	0.21	0.39	0.62	0.44	91
22	2.84	1.14	17,497	26,499	14,512	0.21	0.29	0.19	0.16	0.22	0.21	0.39	0.60	0.47	95
23	2.72	1.22	17,057	26,088	14,616	0.21	0.37	0.19	0.17	0.22	0.21	0.38	0.60	0.46	99
24	3.16	1.71	16,278	25,679	14,484	0.22	0.99	0.19	0.17	0.22	0.21	0.37	0.58	0.46	98
25	2.55	1.38	19,020	25,413	14,787	0.22	0.57	0.19	0.17	0.22	0.21	0.43	0.62	0.47	75
26	2.45	1.14	18,304	25,139	12,971	0.22	0.46	0.19	0.18	0.22	0.21	0.45	0.63	0.47	59
27	2.42	0.89	18,017	24,876	10,538	0.22	0.39	0.18	0.18	0.22	0.21	0.42	0.62	0.45	49
28	2.42	0.70	17,634	24,617	10,109	0.22	0.37	0.18	0.18	0.22	0.21	0.42	0.60	0.45	50
29	2.56	0.75	11,892	24,178	9,882	0.22	0.52	0.18	0.18	0.22	0.22	0.39	0.58	0.44	47
30	2.79	0.75	13,115	23,809	10,007	0.22	0.69	0.18	0.18	0.22	0.22	0.41	0.58	0.42	46
31	2.92	0.74	12,627	23,449	9,873	0.23	0.90	0.18	0.18	0.21	0.22	0.40	0.60	0.46	46

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

r = Excess delta conditions with export/inflow ratio conce dm = Daily Mean

N.C. = Not computed due to insufficient data.

s = Balanced water conditions with storage withdrawals. md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/	May 2000
North Bay Aqueduct At Barker Slough Pumping Plant	March 15, 2000	Simazine	0.04	
California Aqueduct At Banks Pumping Plant	March 15, 2000	Simazine	0.0	
Delta Mendota Canal At McCabe Road	March 14, 2000	Simazine	0.02	
California Aqueduct Near Kettleman City (Check 21)	March 14, 2000	Simazine	0.09	
California Aqueduct At Tehachapi Afterbay (Check 41)	March 13, 2000	Simazine Diuron	0.10 0.39	
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	March 13, 2000	MTBE Carbofuran Carbaryl Simazine	4.5 2.00 5.50 0.08	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

May 2000

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant Load	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	11,592,576	0	8,792	15,498	741,888	741,888	401,890	3,503
2	11,899,584	3,456	9,905	19,544	741,504	741,504	383,950	1,692
3	16,204,896	0	13,538	21,903	699,456	699,456	297,650	224
4	16,224,768	0	14,063	22,813	459,264	459,264	307,680	222
5	15,100,416	0	13,923	22,204	732,288	732,288	349,225	188
6	10,116,288	0	12,656	20,706	327,360	327,360	368,170	220
7	7,149,600	0	12,943	21,448	472,704	472,704	332,430	216
8	8,805,312	0	9,247	16,394	707,136	707,136	332,640	213
9	11,263,680	0	9,303	19,187	667,968	667,968	333,115	211
10	12,909,888	0	9,835	18,438	695,040	695,040	345,220	221
11	12,883,392	0	9,254	17,661	817,728	817,728	330,875	224
12	10,128,384	288	11,907	22,323	820,992	820,992	341,990	224
13	476,928	8,064	13,300	22,449	715,008	715,008	334,705	217
14	783,936	8,352	9,583	17,738	759,168	759,168	322,880	216
15	9,292,608	2,016	9,275	17,976	760,512	760,512	323,340	218
16	8,671,680	0	9,023	19,565	767,232	767,232	263,905	222
17	8,434,656	576	9,268	18,326	825,984	825,984	224,705	214
18	6,497,280	2,880	9,212	16,688	1,156,224	1,156,224	262,425	205
19	5,967,072	2,880	10,808	21,350	842,880	842,880	286,160	201
20	1,465,632	4,320	13,587	21,462	1,124,928	1,124,928	297,880	255
21	1,927,008	0	13,622	21,735	1,392,576	1,392,576	336,255	273
22	6,605,856	1,440	19,936	24,843	1,705,920	1,705,920	377,575	284
23	6,895,872	11,520	25,368	33,880	1,765,248	1,765,248	394,355	288
24	7,070,688	12,960	24,402	31,416	1,923,456	1,923,456	372,390	268
25	7,949,664	8,640	21,427	29,757	180,480	180,480	386,495	233
26	7,848,000	7,488	17,129	25,347	170,688	170,688	381,945	200
27	3,832,992	9,216	19,999	25,620	642,624	642,624	355,420	196
28	1,149,408	24,480	19,446	27,853	430,656	430,656	367,095	193
29	3,555,072	11,232	19,068	25,480	1,526,784	1,526,784	369,065	190
30	5,710,752	8,640	21,413	28,420	1,754,112	1,754,112	390,635	192
31	6,882,912	7,776	21,742	28,665	2,025,984	2,025,984	413,110	191
Total	245,296,800	136,224	442,974	696,689	28,353,792	28,353,792	10,585,175	11,614

Table 36. San Luis Field Division Energy Data

(in kWh)

May 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,394,496	1,232,496	2,753,856	2,033,856	5,472	5,472
2	1,475,424	1,313,424	2,915,136	2,195,136	8,064	8,064
3	1,707,408	1,545,408	3,590,784	2,195,784	6,912	6,912
4	1,475,136	1,313,136	3,256,992	1,861,992	4,896	4,896
5	2,041,632	1,879,632	5,688,000	3,452,000	0	0
6	1,917,792	1,452,792	4,533,120	2,297,120	0	0
7	1,725,264	1,269,264	4,224,384	2,859,384	2,016	2,016
8	1,224,432	759,432	3,127,680	1,192,680	7,776	7,776
9	1,369,440	904,440	3,304,800	1,369,800	6,336	6,336
10	1,755,360	1,290,360	3,780,288	1,920,288	5,472	5,472
11	1,506,816	1,344,816	2,856,384	1,536,384	6,624	6,624
12	1,647,648	1,485,648	3,615,840	2,295,840	5,472	5,472
13	1,270,944	1,108,944	3,858,912	2,538,912	4,032	4,032
14	1,488,096	1,032,096	2,786,400	2,126,400	6,048	6,048
15	1,168,272	1,006,272	2,890,944	1,000,944	6,048	6,048
16	1,375,488	1,213,488	3,431,808	1,451,808	6,336	6,336
17	1,438,560	787,560	2,526,912	726,912	6,336	6,336
18	1,532,304	881,304	3,133,728	529,728	6,336	6,336
19	1,638,288	987,288	3,375,648	1,575,648	6,048	6,048
20	1,424,880	773,880	2,809,152	751,152	4,896	4,896
21	1,665,360	1,017,360	978,624	-71,376	4,896	4,896
22	1,696,896	1,045,896	3,810,816	1,833,816	5,472	5,472
23	1,921,680	1,270,680	2,600,928	623,928	5,760	5,760
24	1,836,432	1,185,432	2,687,328	347,328	6,336	6,336
25	2,043,216	1,392,216	3,080,160	1,325,160	6,336	6,336
26	2,177,136	1,526,136	4,194,432	4,194,432	1,440	1,440
27	2,125,296	1,474,296	3,914,784	2,264,784	0	0
28	2,166,768	1,518,768	3,395,808	2,405,808	0	0
29	2,298,528	1,647,528	3,356,928	1,926,928	1,728	1,728
30	2,067,408	1,416,408	3,084,768	1,434,768	6,048	6,048
31	2,209,248	1,558,248	1,929,600	279,600	6,048	6,048
Total	52,785,648	38,634,648	101,494,944	52,476,944	149,184	149,184

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

May 2000

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	28,860	77,904	46,836	44,100	46,908	1,092,240	1,185,984	2,664,864	9,522,000
2	33,790	92,536	46,746	44,460	47,304	1,281,672	1,303,200	2,904,480	10,025,280
3	35,886	95,472	44,352	41,868	44,352	1,233,000	1,358,136	2,981,088	10,617,840
4	33,526	90,232	63,954	61,488	64,224	1,486,008	1,473,624	3,276,576	11,849,040
5	32,284	85,744	51,408	49,014	52,524	1,400,256	1,518,624	3,346,848	11,895,840
6	20,764	56,744	34,380	32,598	34,236	1,545,336	1,611,288	3,576,960	13,104,000
7	31,692	86,032	66,114	62,388	67,338	1,624,824	1,779,984	4,007,808	14,553,360
8	32,872	87,600	53,298	51,210	53,478	873,648	926,640	2,025,504	7,259,040
9	39,756	107,232	58,104	56,160	58,284	956,736	948,600	2,044,512	7,251,120
10	38,240	103,640	51,048	48,618	51,660	1,242,504	1,225,224	2,687,616	9,472,320
11	39,546	107,696	58,014	56,016	58,248	1,116,288	1,191,816	2,581,056	9,179,280
12	35,730	96,088	53,136	50,238	53,370	1,181,304	1,189,368	2,629,440	9,430,560
13	22,900	62,864	37,116	34,740	36,846	1,040,184	1,100,592	2,399,328	8,526,960
14	27,998	73,984	78,696	75,600	79,344	999,432	1,102,968	2,458,368	8,995,680
15	35,546	93,464	49,482	46,404	48,528	901,656	948,024	2,031,264	7,063,200
16	41,038	111,624	59,886	57,366	60,678	1,072,512	1,072,296	2,311,776	8,408,880
17	43,120	116,640	56,034	53,694	56,898	946,368	914,472	1,910,304	6,521,040
18	43,150	119,168	55,818	53,028	56,484	1,078,272	1,111,248	2,451,744	8,504,640
19	31,592	84,568	61,398	58,932	61,254	1,041,264	1,011,240	2,220,192	7,783,920
20	25,088	67,920	56,322	54,846	57,780	893,736	880,992	1,899,648	6,632,640
21	27,198	70,920	75,186	69,552	73,188	1,163,664	1,159,128	2,565,792	9,311,760
22	31,528	86,784	47,376	45,414	49,986	1,066,392	1,117,440	2,425,824	8,504,640
23	45,180	124,312	94,896	91,926	93,078	1,177,632	1,126,656	2,446,560	8,808,480
24	44,728	124,720	97,146	94,662	97,812	1,213,560	1,176,120	2,498,976	8,861,040
25	41,890	111,480	86,436	84,942	84,114	1,297,368	1,243,008	2,701,728	9,354,240
26	46,926	130,584	89,964	89,730	89,190	1,217,880	1,168,128	2,531,232	8,898,480
27	50,764	142,008	89,604	87,786	88,002	1,221,840	1,166,760	2,492,640	8,850,960
28	50,324	138,472	89,082	88,380	88,092	1,610,568	1,657,872	3,695,040	13,579,920
29	51,692	144,760	82,404	81,162	81,414	1,445,832	1,499,472	3,284,928	11,761,920
30	51,814	145,600	91,296	88,344	87,930	889,488	779,544	1,621,440	5,318,640
31	48,050	134,952	86,166	85,122	86,544	1,299,024	1,272,024	2,747,808	9,520,560
Total	1,163,472	3,171,744	2,011,698	1,939,788	2,009,088	36,610,488	37,220,472	81,421,344	289,367,280

Table 38. Southern Field Division Energy Data

(in kWh)

May 2000

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	537,600	1,296,504	1,800,000	268,576	1,455,384	3,165,504	45,297
2	518,168	1,276,632	1,800,000	293,356	1,541,664	2,660,640	193,641
3	512,456	1,684,800	2,808,000	303,856	1,565,028	2,782,464	216,909
4	645,288	1,265,544	2,808,000	339,220	1,529,424	2,535,552	168,021
5	758,576	1,733,976	2,808,000	290,948	1,394,496	2,724,960	148,260
6	901,152	1,796,328	2,808,000	303,352	1,339,944	3,127,584	164,535
7	1,011,024	1,522,800	2,808,000	327,348	1,508,484	2,408,064	163,926
8	198,968	500,400	720,000	263,032	1,528,992	2,802,336	191,058
9	227,864	496,368	720,000	261,772	1,529,004	2,936,256	187,803
10	324,912	493,272	720,000	340,452	1,326,096	3,384,096	188,286
11	224,056	496,008	720,000	390,572	1,913,364	3,025,056	206,598
12	257,320	548,928	720,000	380,716	1,949,448	2,665,728	248,619
13	199,416	495,720	720,000	365,596	1,747,344	2,512,800	212,268
14	212,408	0	720,000	381,052	1,950,336	2,485,632	228,711
15	163,800	497,088	720,000	296,912	1,548,828	3,333,024	176,274
16	253,288	495,936	720,000	314,524	1,567,632	2,844,864	195,867
17	201,488	496,008	720,000	247,744	1,239,876	3,032,832	148,848
18	236,936	787,248	720,000	336,560	1,477,860	2,864,160	155,337
19	239,904	498,024	720,000	294,476	1,400,940	2,910,240	173,187
20	231,280	758,160	720,000	243,544	1,062,348	3,265,152	103,992
21	211,624	78,624	720,000	389,564	1,950,504	2,753,664	238,686
22	335,944	917,496	1,560,000	295,820	1,662,300	2,902,656	204,498
23	422,744	909,072	1,560,000	284,676	1,527,636	2,947,392	183,561
24	404,824	906,336	1,560,000	225,512	1,213,788	3,136,128	143,304
25	420,280	908,496	1,560,000	309,428	1,290,960	2,629,056	146,874
26	419,888	806,400	1,560,000	286,748	1,409,616	2,151,168	172,095
27	416,640	908,424	1,560,000	280,644	1,266,888	2,214,816	164,220
28	806,568	907,272	1,560,000	359,464	1,775,628	2,372,352	179,445
29	649,824	1,166,544	1,800,000	314,412	1,406,988	2,337,024	161,301
30	234,136	1,069,344	1,800,000	175,644	1,018,680	2,541,888	139,776
31	473,704	1,056,240	1,800,000	279,160	1,219,320	2,372,352	150,885
Total	12,652,080	26,773,992	44,040,000	9,444,680	46,318,800	85,825,440	5,402,082